5/-/00

nous reference

1905

(Execution)

File No 311-04

Serial Nos 8 & 15

er's references

320-05

W 33 10 (7 10) C

11, 13 1no

GENERAL AND REVENUE SECRETARIAT

Serial Nos 8 & 15

Part B for March 1905

SUBJECT

Purchase of Mr Jalan's Superme Tea Co Farm at Bangpore

---

on the Presidents of the Committee appt'd for the valuation of the Silk Farm N – 3864 dated 8/6/05

Forwards the Committees report about the farm with a plan and an estimate

9/ From the President of etc No 4103 of 22/6/05

States that it is too late to put Mr Cameron & Mr K R Steenson as members of the Committee as the report has already been submitted to Govt

G R S 58

10 To the Dy Gov of Edn No 1758 Dy 14/8/05
Requests him to form a Committee consisting
of himself as President and Dr Lehmann
and Mr Cameron as members for consideration
a practical scheme for the establishment
of a agricultural school and submit
the same to Govt

To Dr Lehmann and Mr Cameron 1758-9
Forwards copy of the above

from the Dy of Edn D4392
No 3790/224 Dy 21/11/05
Submits the proceedings of the Committee

12 To the Dy Gov of Edn No 5667 Dy 4/12/05
Requests him to enquire of Mr Mukherji
is willing to work out a scheme & if
what honorarium he expects &

13) from do — No 5908/359 Dy 6/12/06
submits a copy of Mr Mukherjis
outline of a scheme for a Agricultural
School.

1904 —05

GENERAL AND REVENUE SECRETARIAT

(Education)

NOTES

File No 314-04

Title Heading

Purchase of Mrs Tata's Silk farm at Bangalore

The President of the Committee appointed for Valuing Mrs Tata's Silk farm

No 3864 Dated 8/6/05 Received 10/6/05

No 8447	Enclos 14	Spare Copies	Serial No 8

Brief Abstract of Letter

rwards the Committee's Report about the farm
gether with the plan and the estimates

NOTES AND ORDERS

In G.O No 10440-42/Ed(314-04)-2 dt 13/5/05
a Committee consisting of the Chief
Engineer (President) and Mrs H J Bhabha
and Dr Lehman (members) was appointed
to Value Mrs Tata's Silk farm at Bangalo

8S—First sheet

MGGLB—50 000—17 2 0

Q Serial Nos 2 With this office No 11058 dt 1/6/05 copy of letters dt the 27/1/05 from Messrs Jeremiah Lyon & Co London regarding the sale of the Silk produced at Mr Tata's farm, in England was forwarded.

3 In G O No 11331, 38/Ed/614-04-7 dt 10/6/05, Messrs Cameron and K R Sreenivasacharyar were added to the committee appointed for valuing the farm Before this order reached the committee, they have submitted their report about the farm together with plans and estimates

The total estimated cost of the farm and its machinary is given as Rs 9,450-0-0 but it is reported that it has cost Mr Tata about Rs 49,000 of which only Rs 2600 have been recovered from the Sale of silk Sub forders

Kirk Esq 16/6/05

17/6/05

Submitted to the Devan Saheb thro the Secretary

18/6/05

Seen returned with thanks Q

20/6/05

2802 18-6-05

MGCIB—50000—1/20

BOD 20/6/1905

7206/04-05

D O

OFFICE OF
THE INSPECTOR GENERAL OF EDUCATION
IN MYSORE

26 June 5

Dear Mr ShāmaRao,

At the time the Committee valued the reeling machinery at Mr Tata's silk farm, they had great difficulty in doing so Mr Rangaswamy Iyengar estimated the cost of making such machinery here with local wood & labour which was hardly

on, as he makes no pretence
and long probably hereditary
experience, were lost sight of
I suppose the actual cost
being the machinery
should be ascertained at
that time the figures were
not available But Mr Odell
subsequently sent me the
following enclosed details
of the cost I regret with-
out the Owners permission

You will kindly place Mr
Odell's account of the reeling
machinery on the file of
the estimate of Mr Talā's
Silk Farm Of course from
the actual cost a certain
percentage for depreciation
for three or four years' use
will have to be deducted the
present machinery was pur-
chased about 3 years ago
in Japan
Yours sincerely
H J Bhabha

Cost of the Japanese reeling machinery at Mr Tatas Silk Farm Bangalore and particulars of charges of buying shipping and custom duties

			Rs
10	Sets reeling machinery with 60 reels		
4	reeling		
	complete with a hand power motor and wooden appliances		798-0-0
12	Glass funnels for water taps		37 12-9
	Charges		
	Packing into 16 cases	Rs 81 13 2	
	Railway freight in Japan	34 9 9	
	Buying charges	18 0 0	
	Shipping & freight to Bas	100 00	
	Bombay Custom duty	50 1 7	
	Dock dues	6 3 6	
	Demmurage at Bbay	5 0 0	
	Railway freight Blake	24 12-0	320-8-0
			1156-4-9

Steam reeling fitting imported

1	Reeling table 22' x 2½ x 2½	90 0 0
18	Porcelain rereeling patent basins	32 6-9
22	boiling basins	19 12-9
12	Small waterwater caps	3 0-0
12	Steam fittings (regulators) Brass	55-12-9
12	Couplings with pipes connecting taps	18 0-0
1	Set oak wooden gear wheels	12-0-0
2	Brass steam fittings (outlet for waste water)	4-8-0
	Carried forward - Rs	135 7 10

GRS 12]
General and Revenue
Secretariat

File No 314 of 1904

8

Serial No

Archdeacon - Requests to whether Rectory may be mortgaged by Govt & used as Secondary School which seems to be much required -

3 VII 05

7518

To the Registrar for circulation for disposal in Council meeting

Mle 8705

7 VII 05

P S 12½
General and Revenue Secretariat Sgnl.

File No 314 of 1904

Serial No 9

From the Chief Engineer (President of the Committee for valuing Messrs Tata's Silk Farm at Bangalore) No 4103 dt 22/6/05 States with reference to G O No 11334-8/Ed 314-02 - dt 10/6/05 appointing Messrs Cameron and K R Sreenivasengar as addl members of the Committee that it is too late to put them on the Committee, as the report of the Committee had already been Subd to Govt

The report was subd to the Secretary on 17/6/05

May this be subd in continuation?

Agreed 24/6/05

Subd. 27/6/05

The former file has been submitted to the Dewan Saheb on the 20th June 1905 - This is also submitted

7308/276

27/6/1905

Vide ors on file No 314 of 1904

3/7/25

Submitted

5-7-1905

10

GENERAL AND REVENUE SECRETARIAT

Matter for Council Meeting to be held on the 22nd July 1905
26th
at Bangalore

Subject

Whether Mr Tatas Silk farm at Bangalore (with its machinery) may be purchased by Govt and used as Sericultural School

Circulated to Councillors

Nil
8/7/1905

By Order
Secretary

Rajamanthra Pravina
C Sreenivasengar Esqr
First Councillor
C W 7/7 1905
11-7-05.

2 Rao Bahadur
C Madeah Esqr
2nd Councillor
7932 1-8 05

11/7/05

11/7/05 nil 11/7/05
30b
11-05

Extract from the Proceedings of the 112th Meeting of the Council of His Highness the Maharaja, held at Bangalore on the 26th July 1905

VII *Subject--(Clause XI of the Schedule)*

Whether Mr. Tatas Silk farm at Bangalore (with its machinery) may be purchased by Government and used as a Sericultural School

Opinions of the Dewan and Councillors

The farm may be purchased by Government and used as a Sericultural School for the working of which a Scheme may be called for from a Committee consisting of Mr. H J Bhabha as the Chairman and Dr. Lehman and Mr. Cameron as members.

(Signed) D V Krishna Murti
Dewan of Mysore

1/8/05
Secretary

mmle 1/8/05

Submitted to His Highness

Messrs Tata & Sons having proposed the sale of their Experimental Silk Farm at Bangalore, at a valuation, a Committee comprising of the officers noted in the margin, was appointed to value the farm and its machinery The Committee have sent up detailed estimates of the farm, buildings and machinery, all of which are valued at ₹9,450 It is reported that a sum of ₹49,078-11-7 has been spent on the farm from the commencement of operations in February 1898 up to 30th September 1904, and that statements of the expenditure incurred subsequent to that date have not been furnished Against this expenditure, it is reported, that onl a sum of ₹ 2,600 have been realized from the sale proceeds of the silk produced at the farm

Mr McHutchin W
Mr Bhabha
Dr Lehmann

The farm may be purchased by the Government on the valuation, and used as a Sericultural School, for the working of which a scheme

ma be called for from a Committee consisting of Mr Bhabha, as Chairman, and Dr Jehmann and Cameron as Members

7 VIII 53

Record of Case submitted for the orders of His Highness the Maharaja

Subject

Order

My own feeling is that we should have a practical Scheme of management before us before we purchase. Until such a Scheme is worked out there is nothing to indicate either the value of the farm to Sericulture in Mysore, or the extent of the annual expenditure that Govt is undertaking

10/5/05

Call for the Scheme and records
14 VIII 05

Serial No

To The Dgl of Edn in Mysore
No 1757 dt 19/8/05 Requesting him to form a Committee consisting of himself as President and Dr Lehmann and Mr Cameron as members for considering a practical Scheme for the establishment of a Sericultural School and submit the same to Govt

Do Dr Lehmann to Mr Cameron
Nos 1758 & 1759 dt 19/8/05 Forwards copy of the above

4092 — no 3790 R 21/11/05

From The Dgl of Edn in Mysore
Submits the proceedings of the Committee for the establishment of a Sericultural School

The Committee met on the 25th Sept 1905 Mr W G Burkhart Asstt Director of Agriculture and Land Records in Bengal was present at the request of Mr Babb as he is a Specialist in Sericulture and as he was in Bangalore on a Visit to Mr Tata's Farm under orders of the Bengal Govt. Mr Boja, the Supdt of the Farm was also present

MGCPI — 0 000—1 11 04

Serial No

Altogether 5 resolutions were passed by the committee. They recommend that Mr Mukharji be requested to draw up a memorandum on the requirements & the equipment of the School on a small scale at present, that the School & the farm should be placed under the direction of the Agricultural Chemist and the Entomologist proposed to be appointed in the State, that the School should for the present provide accommodation for 10 Resident Students that the course of instruction must extend over a year and that the School may be placed under a Committee of 5 officers

Mr Bhabha however thinks that the School must be under the Distt as other Special Schools

From the above it will be seen that no practical Scheme for the School is submitted as called for but Mr Mukharji has to be requested to prepare the Scheme and Mr Bhabha states that an honorarium may be

PB—20 000—1 11 0

Serial

given to him after the Scheme is completed

Subd for orders The point for orders Kept in view is, whether Mr Mukherjee may ~~should~~ be asked to draw up the Memorandum suggested by the Committee on which the formation of the School depends, & an honorarium promised to him through the Inspector General of Education

JB
25/11/05

Submitted & the Hon Sahib thro' the Jt Councillor for orders

E
25/11/1905

802/25/11/05

We have the materials before us the formulation of a complete scheme does not seem to be possible - The Committee suggestion may be acted - I believe Mr Mukherji has to be addressed thro the British Govt — U

9865/27/11/05

27-11-05

HH 27/11/05

GRS 12j
General and Revenue Secretariat

File No 314 of 1905-06

Serial No

9904

Mrs Mayfarnes in impre
- ves difficulties first of
all Mr Mukherjees intention
must be ascertained as to
what honorarium he expects
Mrs may be done privately
in Mr Sheaths

Draft

28 XI 05

9924

27 05

29/11/05

For 3 2011

Draft D.O Sulet

Issued 30/11/05

Typing
30/11/05

12 To the Dyl of Edn in Impre
No 5867 d 24/12/05 Reports that
enquire of Mr Mukherjee is willing
to work out a Scheme and if So
what honorarium he expects
for it

13 From - Do - No 5908/359 d the 6th
February 06 Submits with reference to
the above a copy of Mr Mukherji's
outline of a Scheme for a Sericultural
School, States that the Weaving and the
Dyeing Depts proposed in the Scheme

GRS 12J
General and Revenue
Secretariat

Ed 2 File No 314 of 1905-06

Serial No

13 may for the present be omitted and adds that if Govt approve of the above suggestion, the committee appointed in this office letter No 1957/Ed 314-04-10 of 19th August 1905 may be asked to work out a Scale of Establishment etc for the School and Submit it for the orders of Govt.

14 From the Agricultural Chemist in Mysore No 775 of 27/1/06.

Submits ~~copy of~~ letter of 26/12/05 from one Mr Partridge Re- the improvement of Sericultures in the ~~State~~ and States that if Govt desire to Consider Mr Partridge's proposals he will inquire into them and Report

Dr Lehmann, ~~to~~ one of the members of the Committee appointed for considering a Scheme for a Sericultural School and so he had Subd the above letter on this Connection, which may ~~Subd for orders~~ also be forwarded Kindly to the Inspector General 13/2/06 of Education for consideration by the Committee

Subd Instructions approved of the Inspector Gls proposal

16/2/06

P Sl- No 10 of the current papers-

NOTE—Contn sl eet

GPB—50 000 23 10 05

SR File No. 314 of 1905-06

Draft submitted by the
Devandaheb Taro Mr Cormick
16 2 1906

Received 16/2/06
17/2/06

1373
16-2-06

11365-
17 2 06
15

CPB—50 000—

GP File No 314 of 1904

Serial No.

15 To the Hon'ble Lieutenant Governor and Superintendent Port Canning no 9006 & 3/3/06 Regarding Hon'ble to please-
new mukerjee scheme before the Committee of to submit his detailed views regarding it and observes that the Port think it unnecessary to examine minute of the proposals put forward by new Portuguese

GPB—50 000—23-10-05

FC 314-04 Sec 8
Ed

No 3864

Bangalore 8th June 1905

From,

W C Hutchir Esquire, I C F
President, and Members of the Committee

To,

B F Venkata Varada Iyengar Esquire,
Secretary to the Government
of H H the Maharajah of Mysore,
General and Revenue Departments

Sir,

With reference to Government Proceedings No 10440-42/Fd (No 314 of 04)-2 dated 13th May 1904, appointing a Committee for estimating the value of Mr Tata's Silk Farm at Bangalore and its Machinery, we have the honor to forward the accompanying estimates of the actual value of the Farm and its Machinery and tools furniture &c and to state that we estimate the total value to be Rupees 9,450-0-0

2 Before the Committee proceeded to estimate the value of the Farm a statement (marked A) was obtained from the Superintendent Mr T. Odzo of the actual expenditure incurred on the Farm from the commencement of Mr Tata's operations from February 1898 up to 30th September 1904 From this statement it would appear that the total sum spent on the Farm is Rupees 45,078-11-7 Statements of the expenditure since September 1904 have not been furnished

From

From this statement, however, it is gathered that the expenditure on the Farm exclusive of salaries of staff and office, fuel stores wages and miscellaneous expenses, is as under

	Rs
(1) Buildings and wells &c---------- ------	8,147-1-5
(2) Machinery and boiler including spare parts and repairs----------	-5,058-1-6
(3) Mulberry garden----------	---6,388-9-1(
(4) Furniture and Agricultural tools-- ---------	976-10-(
Total Rs	20,570-10-

and our estimate of the value of the Farm, buildings and machinery, as it stands, is given below -

(1)	1 Approach road as per estimate--Say--250 2 Buildings and wells--Say-4,500		4,750-0-0
(2)	Machinery and boiler and spares List I-- 2 200 Tools as per List II----- 196 Silk worm rearing Department imple-ments as per List III------128 Apparatus for Silk and silk worms, books &c as per List V ---------- 250 Medicine Stores as per List VI---------- 15	Say-----2,800-0-0	
(3)	Mulberry garden----------	1,400-0-0	
(4)	Furniture and Agricultural Tools &c as per Lists iV and VII---------- 493	say----500-0-0	
	Total Rs	9,450-0-0	

3 It was ascertained by the Committee that of the nearly

nearly 7 acres 20 guntas of land planted out with mulberry about 2 acres and 8 guntas are situated on land leased by Government from private owners, and as this lease expires on the 30th June, it is presumed these mulberry bushes will become the property of the owners, and the value of these mulberries being deducted would reduce the value of the Farm to be taken over by government by Rupees 373-0-0

4 It is considered by the Committee that an additional sum might be added to the actual intrinsic value of the Reeling Machinery in view of the fact that this was procured from Japan as a model and a sum of Rs 200 for freight &c has been added on this account The value of the Farm and buildings as esti-mated by us would thus amount to Rs 9,450-0-0

We have the honor to be,

Sir,

Your most obedient servant

M M Abdulghani

PRESIDENT

A Lehmann

H J Bhabha

PS I would mention for the information of Government that I have ascertained from messrs Tata & Sons the fact that upto 30 Sept^r 1904 the sale proceeds of the silk produced in the farm amounted to only about Rs 2 600 against a total expenditure of Rs 4900

H J Bhabha

Estimate of the probable cost of Open Cut approach road to Tata's Silk Factory at Kalasandra Village Bangalore

Detail		No	Dimensions			Contents	Totals
Road							
Earthwork	Side drain	1	810	2	1	1620	
	Total Earthwork					1620 or	cyds 60
Cutting & forming road		1	270	(3)	-	270	cyds 270
Collecting & breaking consolidating Gravel		1	270	3	1/2	68	
	Total						cyds 68
Tunnel 2ft 1 one end 2½x1½							
Earthwork in Excavation & foundation							
	Side walls	2	13½	1½	1½	61	
	Total Earthwork in						cyds 2
Stone in clay	Filling in foundations & per sec cavation						cft 61
do	Superstructure						
	Sidewalls	2	13	1	1/6	30	
	Total						cft 30
Slab Stone							
	Covering Slabs	1	13	3½	(3)	46	
	Total Slab Stone						sft 46
Painting with Chunam							
	Abutments	2	15	1/6		35	
	Total Painting						Sqrs 0 35
Tunnel 2ft 2 one end 2x1/3							
Earthwork in Excavation & foundation							
	Side walls	2	13¾	1½	1½	76	
	Wing	1	4	1½	1½	11	
	Total Earthwork					87	cu

Stone in Clay Filling in foundation as per Excavation						Cft
— do — Superstructure						
Side walls	2	13	1/3	1/3	46	
Wings	1	4	1/3	1/3	7	
Total Stone in Clay Superstre					53	Cft
Slab Stones						
Covering Slabs	1	13	4		52	
Total Slab Stone						Sft
Pointing with Chunam						
Abutments	2	14/3	1/3		38	
Wings	1	4	1/3		5	
Total Pointing with Chunam					43	Sqrs
No 3 Culvert 7/2 x 2/2						
Earthwork in Excavating Foundation						
Side walls	1	34/6	2/2	2	205	
— do —	1	21/6	2/2	2	106	
Wing	1	8	2/2	2	40	
— do —	1	6/2	2/2	2	32	
— do —	1	12	2/2	2	60	
Total Earthwork					443	Cyds
Stone in Clay						
Filling in foundation as per Excavation						Cft
Stone in Clay Superstructure						
Side walls	1	33/2	2	3/2	238	
— do —	1	20/2	2	3/2	143	
Wings	1	8	2	3/2	56	
— do —	1	6/2	2	3/2	46	
— do —	1	12	2	3/2	84	
Parapets	2	11/2	1/2	1/2	6	
Total Stone in Clay Superstructure						Cft
Pointing with Chunam						
Side walls	1	33/2	3/2		117	
— do —	1	20/2	3/2		72	
Carried over					189	

Carried forward					189
Wing	1	8	3/2		28
do	1	6/2	2/2		23
do	1	12	3/2		42
Total Painting with Chimney					282 lgth
Cut Stone					
Corner Stone	1	27	10/2	(/3)	2 024
Total Cut Stone					

Abstract

Item	Per	Rate		Road		one Vent / Tunnel		— do — / — do —		— do — / — do —		Total		
				20	6	20	6	20	6	20	6	20	6	
Earthwork opening Side drain	cyd	a	1 6	60	6	a	a	a	a	a	a	60	6	
Cutting & forming road	Cyd	a	a 6	270	8	a	a	a	a	a	a	270	8	
Collecting & Consolidating Gravel	Cyd	a	7 a	68	30	a	a	a	a	a	a	68	30	
Earthwork Excavation	cyd	a	2 a	a	a	2	a	3	a	16	2	21	2	
Stone in clay filling foundation	cft	a	1 8	a	a	61	6	87	9	443	46	591	61	
— do — Culvert structure	cft	a	1 9	a	a	30	3	53	6	570	62	653	71	
Covering Slabs	Cft	a	3 a	a	a	46	9	52	7	284	36	382	52	
Pointing with Chunam	Sqy	1	8 a	a	a	0 35	1	0 43	1	2 82	4	3-60	6	
Total Rupees					44		19		23		150		236	Sqm 2321
Contingencies at 5 pct					2		1		1		8		12	
Grand Total Rupees					46		20		24		158		248	

Bangalore
30th May 1905

Examd

Executive Engineer
& Resdt. Asst-Dy

SECRETARYS OFFICE

Drawer No. 1 W. Dist.

Bangalore Dist.

Estimate of the probable Cost of Taking Silk Factory building at Nagasandra Village Bangalore Taluq Stamp Rs.

Amounting to Rs 5642 5405

Items of work	Per	Rate		Main Building	
				Qr.	Cost
Earth work Excavation	Cyd		2	~~94~~ ~~2~~	~~1~~ 2
Burnt Stone in clay foundation	cft		1 8	2536 ~~86~~	263 ~~9~~
—— do —— Basement	cft		1 9	1197	131
Burnt Brick in clay Superstructure	cft		1 9	5567 ~~355~~	609 ~~38~~
Mommey wood work including wood oiling	cft	2	8	368 56 ~~280 75~~	771 ~~870~~
Roofing with mangalore tiles Ridge Teak battens &c Complete	~~Sq~~	18	-	319	574
Roofing with Carrugated Shut Ridge &c Complete	-	22	-	207	46
Flooring with Granite Slabs, Pointing with Chunam	Sqd	15		1358	201
Plastering with Chunam	Sqd	2	8	86 42 ~~8 60~~	211 ~~215~~
Mommey wood battened, frame and Shutters Painting &c Complete	Sft	1		411	411
do — with Shutters	No	2		~~1~~	~~2~~
do — and Canvas Shutters	No	4		~~1~~	~~4~~
do — windows Iron bars (without Shutters)	Sft		8	53	27
do with frames Shutters &c Complete	Sft	1		55	55
do do ordenary —do—	Sft		12	26	20
do — Ventilators with glazed Shutters	Sft		12	100	75
Chunam pointing —	Sqd	1	8	4 30	7
Rawe Brick in clay Superstructure	cft		1		
Stone Pillars	Sft		3		
Jungle wood ordenary doors ($2\frac{3}{4}+3\frac{3}{4}$)	each	4	-		
do do —— (3×8)	each	5			
—do windows ($1\frac{3}{4}+2\frac{1}{4}$)	do	1			
do ($1\frac{1}{2}+2\frac{1}{2}$)	do	1			345

	Stables kitchen		Stockmen's Labourers huts		Cattle yards		Earthen well		Cargut Bails		Total	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost	No.	Cost		
											171	2 2 23
											1382	447
											1191	
											5131	
											23	840
											3606	
											1593	
											385	
											1041	
											411	
											1	
											1	
											33	
											93	
											26	
											00	
											30	
											2638	
											415	
											1	
											4	
											1	
											6	
		614		197		72		7		9		

Abstract

Items of work	Per	Rate			Main Building Q	Main Building Cost	St Q
						3456	
1st Stone Slabs Lintels	cft		2		~~2016~~ 288	26	6
Jungle wood (Casurena)	cft	-	1		---	-	43
Roofing with Mangalore tiles ordenary rafter	sqr	15	-	-			72
mud plastering	sqr	-	8	-	-		
Jungle wood work	cft	1	8	-			
——— do ———	ft	1	4		-		
Teak wood work	cft	3	8	-			
Steel wood frame	cft		1				
Concrete	cft	-	2	6		- -	
Earth work	cft		4				
Earth work	cft		5				
Stone Stamping	cft		3	-			
Bailing water	L.S	-	L.S	-			L.S
Stone Slabs &c.	L.S						
Lightening Conductor	L.Sum				1	80	
~~Grand~~ Total Rs						3562	
Deduct Depreciation						712	

Total Rs - 2850

Estimate

	Stables & kitchen		House Store, Room & Bathroom		Cooly Lines		Earthen well		Carport & Trellis		Total	
Cost	2	Cost	2	Cost	2	Cost	2	Cost	2	Cost		
129		614		197		72				29		
1	63	5										
27												
108												
	3686	18										
	8087	46										
	8505	128										
			6644	99								
			6644									
			1 13	4								
			764	68								
			978									
					130	24	13	3				
							27	4				
									430	134		
										390		
									2078	344		
										25		
										10		
										60		
											80	
265		765		329		93		10		588	5612	
105		305		129		38		nil		nil		
160		460		200		55		10		600	4325 or say 4500	

C A Welch

Assistant Engineer
U S Sub Division
Bangalore

Abstract

Items of work	Per	Rate	Main Building		£
			Q.	Cost	£

of Estimate

Cottage house	Brick House: Stable and kitchen		Stone house and Jabanan Lodge		Cistern		Earthen well		Target & Tackle		Total		
Cost	2	Cost	2	Cost	2	Cost	2	Cost	2	Cost			
					—	—			— —	—			

List-I

Reeling Department

N	Machinery	Value		
1	Set Reeling machinery with 4 reel Complete with basins	50		
1	—— do —— with 2 reels	10		
1	—— do —— with a big reel completed with basin	25		
1	Complete native reeling apparatus	5		
1	Reeling machine for 4 Cocoons one reel	5		
1	—— do —— for 6 Cocoons two reel	5		"
2	Hand reeling machines	10		"
1	Waste silk Spinning reel			
13	Spare reels for reeling Rs 2/- each	26		"
60	Small reels @ Re one/each	60		"
24	reels for 1 and 2 reel nos No 7 @ 1/2	24	"	
2	big reels for No 6 @ Rs 2/	4		"
9	boiling basins @ 1 8-	13	8	
3	reeling basins @ Rs 5/-	15		
20	Corks @ 0/1/0	1	4	"
240	Silk waste brushes @ 0/4/	60		"
10	Charcoal reeling baskets @ 1//	10	"	"
2	" Small " @ 0/2/	1	8	"
1	large Cast iron pan diameter 21	20		"
1	Small —— do ——	3	8	"
1	Copper basin —— ——	0	8	"
7	tin funnels @ 0/2/	0	14	0
1	bucket for reeling	0	12	0
1	Silk baling press with large quantity of bunching hoops	7	"	
1	Waste Silk press	5	"	"
1	Case of twine and ropes	"	2	"
20	Yards of gunny cloth 48" width @ 0/4/0	5		"
9	bags for storing Cocoons in a case at 1/0	9		"
1	Wooden cases for cleaning Cocoons	1	0	0
6	Big baskets for Cocoons @ 0/8/0	4	0	0
1	Spinning wheel	"	"	"
2	Tables 6 x 3 and 6 x 3½ @ 5/	10		"
2	Iron hooks for twisting Silk skeins	1	0	0

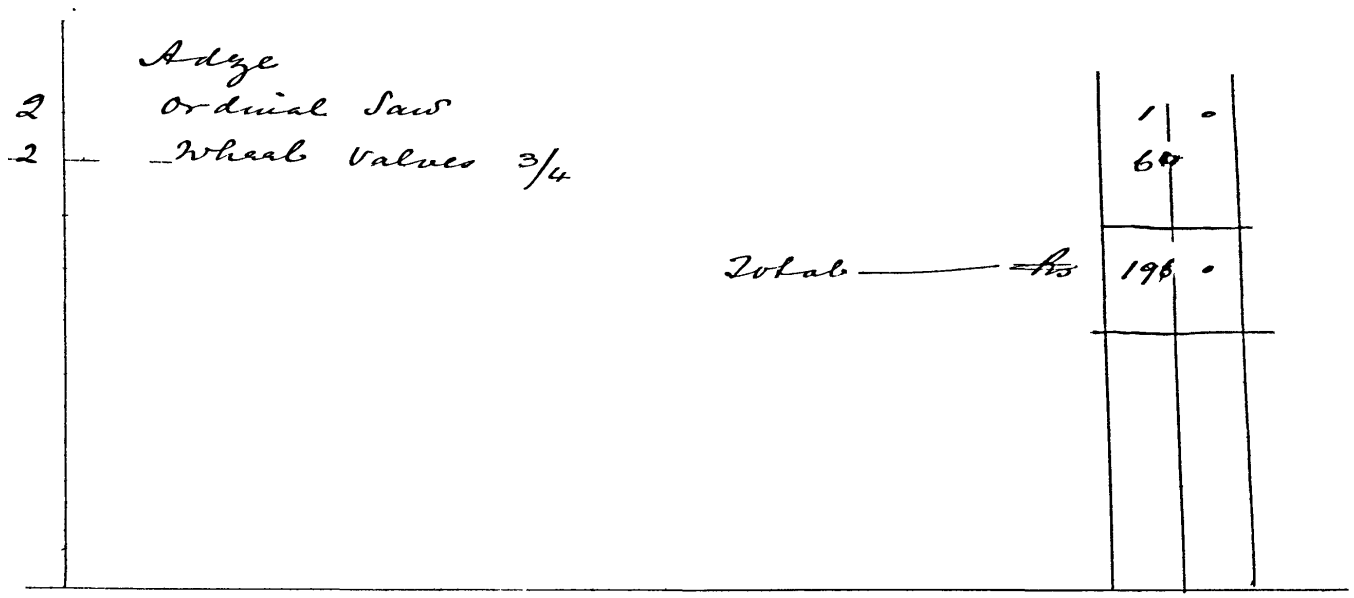
Silk reeling machine Complete with basins and stands	500	•
—— do —— —— do ——	100	•
Lancashire boiler including setting &c and pipes	1000	•
Total ——	1993	"
Add for Freight &c from Japan	207	
Total Rs	2200	0

Sd/ V. Rungasawmy Iyengar
Executive Engineer
W-S & St. Division

Lot - II

Tool for Black Smithery and Carpentery

No	Name of Tool	Value		
1	Boring drill	50		"
1	Hand boring	5	"	
1	Anvil @/5/ 17-8-0 St H	15		
1	Big hammer	3		"
1	Small black Smith hammer	"	12	0
3	All sorts same / etc / pr upto 3/4 @ 3/	15	"	"
1	"	7	8	
1	" " 1/2	12	8	"
1	Big garden pump with 36 pipes 2 in and working rods - old and useless	"	"	"
20	pieces of pipes of various sizes		"	
23	Iron rods - unserviceable all Scraps -		"	0
1	Vice 4	10	"	"
1	Japanese bellows	10		"
2	Bundles of wire brass and iron - old and unserviceable	"	"	
70	Pieces of waste iron - all Scraps			0
19	Fire bars	4		0
14	Pieces flatiron	"	"	0
11	Hanges 4" @ 0/4/0	2	12	0
18	Sockets of various sizes @ 0/4/	4	8	0
63	Bolts	3		0
136	Nuts	2		0
19	Coupling and washer	2	8	0
10	Steel Cl ends	2	8	
4	Steel Ingot pieces	5		0
11	Country made hinges @ /4/	2	12	0
2	Monkey Spanners 2			
2	Spanners for leg Screws	2		
1	Set of taps and dies 3/8 1/2" 7/8 with handles	12		0
1	Big Saw for firewood			
3	Hatchets — do — @ 1/-	3	0	0
3	Iron wedges — do — @ 0/4	0	12	0
8	Carpenter Chisels @ 0/6	3	0	0
1	Steel measuring Stick	1	0	0
5	Drills and handle (out of order)	0	8	0
2	Screw drivers @ 0/8	1	0	0
1	Saw renovator	0	8	
2	Saw files - (unserviceable)			
2	Big files — do —			
3	Planes Japanese made 0/4/	0	12	0
5	Japanese Saws @ 0/8	2	8	0
2	Small Hammers	2	0	
4		1	8	0
1	Nail pullers Combined with a hammer			



Sd/ V Rangasamy Iyengar
Executive Engineer
W S & Str Division

Leaf II

Silk worm rearing Department

No	Names of articles			
115	Japanese Oak trays	@ 1/-	17	3
30	Silk worm Skeleton Bamboo trays	@ 1/2/6	4	11
1	Round tray	@ 1/5	-	5
130	Square bamboo trays	@ 1/3/6	24	6
8	Oblong tea tree trays & the wooden handles	@ 1/6	3	-
3	Shades of Silk worm trays	@ 1/4	2	4
1	Table for mulberry cutting board		3	8
2	Small cutting boards		6	
3	Knives		7	8
12	Scissors for mulberry leaves		4	-
17	Big nets		3	-
34	Small nets			
1	Bundle of silk net		1	-
40	Glass nets for big worms		1	-
20	Chrysalises		10	
4	Press of Silk worm Eggs	@ 1/5	6	
1	Long cloth covering for 16 x 13		5	
1	Chandrakey Mirzapur measure		5	-
1	Japanese Press cloth		1	8
3	Cages for mulberry leaf plucking		1	
1	Ice box		1	
1	Japanese wooden incubator		-	
		Total —	128	

A Lehmann

Agricultural Chemist

Lot- V

Apparatus for Silk and Silk Worms and also some agricultural implements and tools

N	Name of Apparatus	Value		
1	Silk measuring machine	25		0
1	Denier Scale	12	8	0
1	Case of —do— weights	1	8	0
1	Serenetre	30	0	0
1	Knots examining machine	30		0
1	Weighing stand - Scale	5	0	0
3	Scale sticks	4	0	0
1	Set of weights 10z 6 4 lbs	2	0	0
1	Weight of 4 lbs		6	0
1	Weight of 28 lbs	3	10	
1	Complete microscope with 3 objectives and 2 eye pieces	70	-	-
1	Dozen Slides			
1	Bottle of micr circles	1	0	0
1	Maxi and Mini Thermometers	10		0
2	Pairs ordinary	8	0	
1	Rangange	5	0	0
4	Sample glass Covers for cocoons	3	8	
85	Sheets of Japanese egg cards	1	5	0
29	English		"	"
600	Rugo for silk worm moths	5	"	"
	Books on Sericulture in English	21	0	0
	Copying Press	8		0
	Oak wood handle for weaving of silkworm straw mats	1	8	0
	Total Rs	250	5	

by A Lehmann
Agricultural Chr

List VI

Medicine Stores

9 lbs	Caustic Soda in 1 lbs bottles		3	6
1 Gallon	Phenol		3	8
10 lbs	Sulphate Copper	@ 5	3	2
1 Bl	Castor Oil			3
3	Preservative Solution		2	8
2	Hydrochloric Acid		0	0
1	Spirits of Potash		0	0
1 "	Ammonia Solution		0	0
2	Spirit Lamps		1	0
1 Bl	Methylated Spirit			6
4 lbs	Red Lead		1	
2 lbs	Asphaltic Enamel		0	0
1 "	Plaster of Paris		0	0
1 "	Victoria Blue		0	0
1	Packet Chalk		0	0
1 Bl	alum		0	0
		Total	15	1

True Copy

valued A Lehmann
Asst Chemist

Valuation of Mulberries on lands known as
Tata's Silk Farm

(a) On lands belonging to Government -

	₹	as	p
1 20 acres of Italian & Japanese Mulberries four years old, @ ₹ 240/- per acre	288	0	0
2 95 acres of Indian Mulberries three to six years old, @ ₹ 195/- per acre	575	4	0
1 10 acre of Indian Mulberries 1½ to 2 years old, @ ₹ 150/- per acre	165	0	0
5 25	1,028	4	0

(b) On land rented by Government, the lease of which expires on the 30th June 1905 and which therefore reverts to the owner on the 1st July 1905 and with it the Mulberries on it -

975 acres Indian Mulberries between three and four years old, @ ₹ 195/- per acre	190	2	0
1 22 acres of Indian Mulberries, 2 years old, @ ₹ 150/- per acre	183	4	10
2 195	373	6	10
745	1401 -10 -11		

A. Tolhurst
Agri Chemist

Dust IV

Mulberry Garden Implements.

No	Name of Implements	Cost
8	Pick axes worn out much almost unserviceable } average rate at 6 annas each }	3 - -
9	Spades (mamoties) 2 good ones rest worn out } average rate at 6 annas each }	3 6 -
3	Coombing made pick axes at 0-10-0	1 14 -
5	Grass cutters with wooden handles at 0-3-0	- 15 -
3	Wooden handles for do no Value	- - -
3	Japanese pick axes at 1-0-0	3 - -
3	rakers at 1-0-0	3 - -
4	Spades at 1-2-0	4 8 -
19	Iron water pots 2 good rest leaking out unserviceable, Value of 2 at 0-8-0 }	1 - -
5	Buckets unserviceable no Value	- - -
2	Small Buckets at 0-4-0 each	- 8 -
2	Small water tins not worth taking ones	- -
10	Peccotta water left iron pots 2 good ones rest leaking ones at 0-8-0 }	1 - -
2	Iron Bars (crow bars) at 1-0-0	2 - -
2	Knives bull-cock at 0-8-0	1 - -
6	Sickles at 0-3-0	1 2
3	Pans tins for liquid manure at 0-4-0 per pair	- 12 -
1	Bamboo Scoop no Value	- -
1	Fallowing plough } 2 S As 10 per Set	10 - -
2	Ploughs	
2	Bamboo Ladder at 0-6-0	- 12 0
4	Trowels for Bricklayer at 0-4-0	- 1
5	Small basket mouth-piece for bulls at 0-1-0	- 5 -
2	Wooden wheels for wall } As 3 Per Set	6 - -
3	Supporters	
4	Baskets at 0-2-0	- 8 -
40	(Feet) Coir strong rope for water left by bulls	2 - -
1	Leather water left by bullo	20 - -
1	Garden bullock cart	30 - -
1	Basket for do unserviceable	- -
2	Pairs of Bullocks	155 - -
14	Mangoe tree plants of 1" thickness X 7' at 0-12 0 each	10 8 -
30	Rafters 4" x 3" x 7' These are of inferior jungle wood cut to dispatch Bhoys not likely to be used hence not Valued.	- - -
1	Japanese Winnowing Mill	15 - -
1	Sewing Stand	4 - -
1	Steel threshing comb for paddy	3 - -
1	Case of japanese rice Seeds	
1	Starch rice Seeds }	10 - -

No	Name of Implements	Cost		
1	Round Sieve }	1	–	–
1	Square hand sieve }			
1	Wooden wheel for well		Elsewhere	
4	Winnowing Basket -	2	–	–
1	Oakwood handle for weaving of Silkworm Straw mats }	1	8	–
1	Japanese pickaxes }	3	–	–
1	Racker }			
	Total	301	4	·

W. McCutchan

List VII

Furniture

No	Names	Value		
2	Office Writing tables one at Rs 20/ and the other at Rs 2/-	32		0
3	Bent wood chairs @ Rs 2/ each	6	0	0
3	Arm chairs @ Rs 2 8 0 each	7	8	0
1	Cane easy Chair, Cane lengths not required Hence no value			
1	Show case at Rs 4/	4		
2	Cup board for samples and Silk @ 15/-	30		
2	Dunning Tables at Rs 8/-	16		
3	Teakwood Cots at Rs 6/ each These are not required for the Farm	30		
2	Mattress Included under Cots			
1	Chest of drawers at Rs 15/	15		
1	Dressing Table at Rs 6/-	6		
1	— do — glass at Rs 10/	10		
1	Big Size Almirah at Rs 20/	20		
3	Rat traps — No Value —			
41	Yards Coir mats x 3 wide @ 4 ans per yard	10	4	
1	Boots mat	2		
3	Chick mats at Re 1/-	3		
1	Bally Dog-Cart Not valued In bad Condition Not required for the Farm purposes			
		191	12	

Sd/ B S Venkata Cherian
Executive Engineer
Bangalore Dn

. Statement A

Memo of Silk proceeds

1902								
Feby	14	Silk 4 Bdls, 19⅛ lbs @ Rs 6½	124	5				
March	3	- 12 Bdls 54 11/16 lbs = Sers 298 5/16 @ 1 5/16	395	8	2			
April	5	- 4 3/16 lbs @ Rs 8/-	36	8				
	29	- 5 1/16 lbs @ Rs 8¾	44	4	9			
Novr	10	1 Bdle, 4 13/16 lbs @ Rs 7/-	32	11	-			
	27	Waste Silk, 9 lbs @ as 9/-	50	10			684	14 11
1903								
Feby	28	Raw Silk 3 lbs 2 1/2 ozs @ Rs 8/-	24	12				
March	31	Do 15½ lbs @ Rs 6/-	93	-				
-	31	Waste Silk 2 3/16 lbs @ 5½	11	15				
-	31	Broken Raw Silk 4¾ lbs (4 3/5 lbs) @ 6½	30	14				
April	30	Raw Silk 5 3/32 lbs @ Rs 9/-	45	13	6			
-	30	Do 5 lbs 15 1/2 ozs @ Rs 8/-	24	8	-			
-	30	Do 1 12/16 lbs @ Rs 8/-	14		-			
June	19	Silks 25 Bundles as under -						
		2 Bdles, 9 lbs 2 1/2 ozs @ Rs 7½ = Rs 67-11 9						
		20 Bdles, 92 3/8 lbs @ Rs 8/- = Rs 739 -						
		3 Bales, 13 17/32 lbs @ Rs 10½ Rs 142-1-3						
		Rs 948 13 -						
		Less: Commission @ 2½ / Rs 23 11 6						
		Brokerage @ 1% Rs 9 7 9 Rs 33 3 3	915	9	9			
May	31	Silk Sold on 12 s 03	2	13	-			
June	30	- 4/3 lbs @ Rs 6/-	26	-				
	30	Raw Silk 2 lbs @ Rs 10/-	20	-			1209	5 3
		Carried forward					1894	4 2

Statement A

1904		Brought over					1894	4	2
Oct	31	Silk sold from Septr 03 to Aug 04 as under							
		D Silk	lbs 2⅔ @ Rs 5/-	Rs 13	8	4			
		Silk	5 7/16 lbs @ Rs 8/	45	9	6			
		"	1 12/16 lbs @ Rs 6½	10	4	-			
		Standard Silk	4 11/16 lbs @ 12½	53	6	-			
		D Silk	1¼ lbs @ Rs 5/-	6	14				
		Silk		3	-	-			
		Waste Silk	2 lbs @ Rs 1/-	2	2	1-			
		Do	116 lbs @ Rs 16 per 4 cwt	Rs 6	6	4-			
				12	12				
		Silk	1 1/16 lbs @ Rs 12/-	18	-	-			
		D Silk	2½ lbs @ Rs 7½	20	-				
		Superior	2 lbs @ Rs 10/-	16					
		Samples	2¼ lbs @ Rs 14/-	2	8				
		D Silk	¼ lbs @ Rs 5/-	75	-	-			
		Silk	10 lbs @ Rs 7½	36	-	-			
		Do	4 lbs @ Rs 9/-	18					
		Do	2 lbs @ Rs 9/-	620	6	10			
		Do	10½ lbs @ Rs 6¼	70					
					690	6	10		
Sept	30	Silk, 4 lbs @ Rs 9/-			36	-	-	726	6	10
			2620 11 -		Total Rs			2620	11	

Ex 4b

Bombay, 1st June 1905

Forwarded to Mr Odgen as requested

Mrs Dubash

2/6/05 -

Statement A

Particulars of the cost of Buildings Machinery and other expenses in the Silk Farm Bangalore from its commencement on Feb 1895 upto 30th Sept 1904

(1) Buildings at the farm including subsequent improvement & additions also the cost of sinking a garden well — Rs 8147-15-0

Portion of silk factory a/c which amount really expended on the buildings do Office & General a/c — 500 00 — Rs 8897-4-5

(2) 14 Sets of machinery completed with all requisite — Rs 5639 3

Machinery imported previously — 5891 09 — omitted

Boiler & iron tools for work shop — 1494 11 3

Portion of General & Office a/c — 500 00

6147 Rs
1089-10
5058-4

(3) Silk factory a/c wages stores fuel &c — Rs 8774-84

Less the amount deducted for building a/c — 250 00 — 8524 84

6388-9-10

(4) Mulberry garden

(5) Salaries & boarding a/c for the expert — 1417 9 8

Travelling expenses - do — 857 10 10

Office & General a/c Rs 3688-11-10

Less the amount for buildings & machinery 1000

Miscellaneous expenses — 417 15 11 — 2688-11 10 — 1814 3-14 3

(6) Furniture & Agricultural tools — 976-10-6

Rs 49078-11-7

Brought forward — 28508-1-

20,570-12-

Value of mulberry Salaries & wages, fuel &c

Received
[illegible]
9/6/05

D8805—Ed F 314-04

MYSORE P W DEPARTMENT,

CENTRAL OFFICE,

No 4193 Letter.

BANGALORE 22nd June 1905

From W M Hutchin Esquire M I C E,
~~THE~~ CHIEF ENGINEER OF MYSORE
BANGALORE

To B K Venkatavaradengar Esq
Secy to the Govt of Mysore,
General & Revenue Depts

SIR,

Adverting to Government Proceedings No 11334-8/Ed (314-04)-6 dated 10th instant, appointing Messrs J Cameron & K R Srinivasengar as additional members of the Committee formed for valuing Mr Tata's Silk-farm at Bangalore, I have the honor to invite a reference to this office No 3806 of the 8th idem, in which the report called for in G O No 10440-42/Ed (314-04)—2 dated 13th ultimo has already been submitted. It is too late to put these gentlemen on the Committee.

I have the honorable
Sir
Your most obedt Servt

for Bengaruled
for Chief Engineer
of Mysore

1905

MYSORE P W DEPARTMENT

No.

THE CHIEF ENGINEER OF MYSORE

Bangalore

To The Secy to the Govt of Mysore Pub & Rev Depth

Dated Bangalore, 22-6-1905

Despatched

Enclosure No

SUBJECT

Stating that it is too late to put-Messrs J Cameron & K R Seetharamaiengar as additional members of the Committee formed for valuing Mr Parker's Coffee-farm at Bangalore

16 28

GRS 26]

File No 34
Serial No 16

Diary No of letter replied to 8447/1633

No 1157

General and Rev Secretariat
(Ed)
the 190

to

The Inspr Genl of Educn
in Mysore

Date of issue 19-8-05

Signed by Mr Venkatramanda Iyengar

Sir,

In connection with the proposal to purchase Messrs Tatas Experimental Silk farm at Bangalore for the purpose of establishing a Sericultural School in the State, I am directed to request that a Committee consisting of yourself as President and Dr Leishman and Mr Cameron as ~~Per~~ Members may be formed for considering and ~~working out~~ preparing a practical

over

SUBJECT

Scheme for the establishment
of a Sericultural School and
its management. ~~and Submit the~~ The scheme when matured
~~the same~~ may be submitted at an early date

I have etc

6/28/1905

Secretary

BB 17/8/05 Sd 17/8/05 1758 Ed(314-04) 19 8 05

Copy To Dr Leitneans Agricultural Chemist
in Mysore BB

1759 Ed(314-04) Secretary Sd 17/8

do Mr Cameron, Supdt, Govt Garden

By order

List of enclosures,

Secretary
Sd 17/8

BB

Kam
17/8/05

Copied by RRE

Examined by [illegible]

18/8

39

Edn. 81]

Office of Inspector General of Education in Mysore

No 3790
221

La galerie

From

H J BHABHA, Esq, Ind
Inspector General of Education in Mysore

To

B K Venkataramanappa Esq,
Secretary to the Government of H H,
the Maharaja of Mysore,
General and Revenue Departments,
Bangalore.

Sir

In reference to your letter No 1757
Ed (314-04)-10,
dated 18/19 August 1905, I have the honour to forward herewith in original the Proceedings of a meeting of the Committee appointed by Government which was held on the 25th September at 8-30 AM. Mr R. G. Mukharji Assistant Director of Agriculture and Land Records in Bengal was at that time on a visit to the Farm under orders of the Bengal Government. As Mr Mukharji is the greatest Specialist in India in Sericulture, I took the opportunity to request him to be present at the meeting of the Committee

and he was good enough to enlighten the Committee on many points under consideration Some facts which he placed before the meeting and which have been embodied in the first Resolution are of the highest importance, and confirm the great necessity and usefulness to the State of a properly Conducted Sericultural School.

2. Mr Mukharji stayed in Mr Tata's Farm for about a month and carried on his own experiments there He is familiar with the equipment of the farm - He has also acquainted himself with the indigenous methods of sericulture practised in Closepete, Channapatna and Maddur Government can not do better than request him to draw up a Memorandum on the requirements for experiments and and the equipment of the school on a comparatively small bases at present, stated in the second recommendation of the Committee - I would recommend that an honorarium be given to Mr Mukharji after he has drawn up the Memorandum This Memorandum when it is received together with the estimates of the working expenses

and receipts of a Sericultural school given in my letter No. 8935/338 dated 20th March 1904 will I hope give Government enough data for the organisation of a sericultural school I recommend that the Sericultural School may be organised as soon as Mr. Tata's farm is bought by Government on the above lines

3 The Committee recommends that the school may be placed under the management of a Committee of the five officers named in the 5th recommendation - I am given to understand that the third officer on the list, the Entomologist and Mycologist, though appointed will not join the service till January 1907 - At the meeting of the Committee it was contended by Dr. Lehmann that the school might be managed by the Agricultural Department - The Agricultural Department as far as I know is at present represented by the Agricultural Chemist alone - Of the cultivation of mulberry plants I believe he has no practical experience And the Entomologist who would be best

fitted to deal with the pearmy of worms is not likely to form the service for a considerable time In any case I see no reason for treating the Sericultural School otherwise than other special Schools of the department. The appointments of the Agricultural Chemist and the Entomologist on the School Committee should be enough to ensure the proper working of the school, which like other special Schools should remain a depart-mental institution

I have the honour to be
Sir,
Your most obedient servant,
W J Bhabha
Inspector General

Proceedings of a meeting of a Committee appointed by Government by Order No 1757 ed (314-04)-10 dated 18 August 1905; held in Mr Tata's Silk Farm on the 25th Sept 1905 at 8 30 A M

Present-

Mr H J Bhabha in the chair
Dr A Lehmann
Mr J Cameron

Mr N G Mukharji, Assistant Director of Agriculture and Land Records in Bengal was also present to help with his advice Mr T Odzu Superintendent of Mr Tatas farm was also present

---

I Mr Mukharji assured the Committee that (1) there was practically no pebrine in Mysore, (2) There was no such fly pest in Mysore as that which makes it extremely difficult to rear two crops of worms in succession in Bengal (3) That the climate of Mysore all the year round is favourable for Sericulture and every week Silk worms are reared, (4) That the Cocoons though poly-voltine are almost as rich in Silk as the Annua Bombyx Textor of Bengal, which is not much reared because it is an annual involving the need of preserving the eggs for ten months and because its eggs hatch at very irregular intervals, which

while the eggs in Mysore hatch seven times a year and do so at regular intervals and (5) there is no disease of the mulberry bush in Mysore similar to the one caused in Bengal by a minute insect. On learning the above authoritative facts the Committee is of opinion that Mysore is phenomenally well adapted for the Silk industry which ought to flourish much better in Mysore than in other parts of India and therefore a Sericultural School for training both the sons of professional reelers and rearers and other people will be of great usefulness to the State in expanding the industry and adding to the resources of the State and the prosperity of the people; provided that experiments and research are carefully conducted in the School and the teachings is based on their results. During the last eight years experiments have been carried on in Mr. Tata's Silk Farm, and Mr. Muckherji has carried on experiments for the last nineteen years the results of which he has published in a Text-book. The Committee believes that enough Scientific Knowledge has been acquired to justify the establishment

establishment of a Sericultural School and that the School is likely to grow in scope and usefulness in course of time. The Committee would once more lay stress on the principle that all instruction in the School should be based on experiments and research made in the State in which the knowledge gained is to be applied

II The Committee accordingly recommends –

(1) That the experimental farm and the School should work in close harmony and form one combined institution, and that in all matters of Scientific research and experiment the institution be placed under the direction of the Agricultural Chemist of the State and the Entomologist whom the State propose to employ

(2) That Mr. N G Mukherji be requested to draw up a memorandum on the requirements for experiment and the equipment of the School on a comparatively small basis at present

(3) That at first there should be accommodation in the School

for the students who should reside in the School and that the accommodation may be extended — later on

(4) That the course of instruction should extend over a year The course of instruction in the Bombay Sericultural School extends over a year and Mr. Muckherji is of opinion that it should not be shorter

(5) That the Sericultural School be placed under the management of a Committee consisting of

(1) The Inspector General of Education
(2) The Agricultural Chemist
(3) The Entomologist & Mycologist
(4) The Superintendent of Govt Gardens
(5) The Revenue Commissioner

H J Bhabha
(In the Chair)

Whilst drafting the agency work most of the above Papers strongly urged that the school and farm should be under one and the same management and that the scope of the work to be done on the farm should decide matters

what management the
carriage would be to take
should be. I am also ap-
prehensive that for the
beginning we are expected
wanted to do this
we can reasonably
expect to do. It would
be learning what we
prepared to take at-
present I don't mean
carriage as special service
of express but
very take partly result
discovery

A. Le Seneschal

Rev 55

GRS 26]

File No

Serial No 1/2

Diary No of letter replied to _____

No 5867

General and Rev Secretariat
(Ed)
the 190

to

~~H J Bhabha Esq Ic.S~~

Date of issue 4-12-05

Signed by Mr Venkatavaradan
Iyengar

My dear ~~Sir~~, Mr Bhabha

Adverting to the correspondence ending with your letter No 3790/224 of the 21st November 1905 regarding the establishment of a Sericultural School in the State, I am desired to request you to kindly ascertain privately whether Mr Mukharji, Asstt Director of ~~Land Records &~~ Agriculture and Land Records in Bengal, is willing to work out a Scheme for the School and if so, what honorarium he expects for the purpose

Yours over Sincy

SUBJECT

30/11/05

for Secretary

Do - H J Bhabha Esq, Ic.S

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OFFICE OF INSPECTOR GENERAL OF EDUCATION IN MYSORE

5703/357 & 2606(1) Bangalore 1906

RD 314-04
SL-13

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H J BHABHA, B.A.,
Inspector General of Education in Mysore

To

B K Vir Satavanna Avaru Esqr B.A.
Secretary to the Government of
His Highness the Maharaja of Mysore
General and Revenue Department,
Bangalore

Sir

With reference to your Office memorandum No 7681 dated 24th January 1906, I have the honour to submit herewith copy of Mr N G Mukerjee's Outline of Scheme for the proposed Technical School at Bangalore. Mr Mukerjee has included in his scheme Weaving and Dyeing Departments in addition to the Rearing and Reeling Departments and a Hostel. It seems to me that the weaving and dyeing departments may be omitted at first and these branches of instruction added subsequently after the School becomes successful.

The Syllabus of the course of instruction prepared by Mr Mukerjee

will be of great use

41
3 If Government approve of the omission of the weaving and dyeing departments, the Committee appointed by Government by your letter No 1757/Ed (314-04)-10 dated 1st August 1905 may work out and submit for the sanction of Government a scale of establishment and the details of initial expenditure on the basis of the figures given by Mr Mukerje and those which I submitted in my letter No $\frac{8935}{338}$ dated 20th March 1904.

I have the honour to be,
Sir,
Your most obedient servant

H J Bhabha
Inspector General

outline of Scheme for the proposed Sericultural School of Bangalore

The School of Sericulture may have Reeling and Reeling Department conducted by Mr J Odlum, and a Weaving and a Dyeing department under two Assistant masters getting Rs 30/ each A good Murshidabad silk weaver and a dyer may be employed to teach native methods only, and a separate weaver also on Rs 30/ each to be temporarily for six months or one year to introduce the fly-shuttle and the warping frame

The Rearing Department should have 4 houses with verandahs on 4 sides of a mulberry plantation 10 acres in extent surrounded by large mulberry trees and hedges for growing other varieties of silkworms The cost of equipping this Department would come to Rs 1000/- for the plantation exclusive of cost of acquiring land and Rs 4000/- for the four houses fitted with dalas, chandrakies, cleaning nets and all rearing appliances The rearing houses need not be pucca

The Reeling department may be with present rearing house with all its appliances with a little more attention paid to the native Bengal and Mysore systems The acquiring of this I understand will cost Rs 15 000/-

The Weaving Department may have 6 different kinds of hand-looms for the present, including one English and one Japanese hand-looms and four

native hand-looms fitted with fly-shuttle arrangements the necessary appliances should be there, of course, including a warping frame and winding machine. The house with one verandah for working the looms with accessories will cost about Rs 3000/-

The Dyeing Department, with specimens of all dyeing materials mentioned in the Handbook of Sericulture, vats and ovens, with a house will cost about Rs 2,000/-

The capital charge would thus come to

Plantation exclusive of cost of acquiring land	Rs 1,000
Rearing houses	Rs 4,000
Acquiring of the present reeling house with all appliances	Rs 15,000
Weaving house	Rs 3,000
Dyeing house	Rs 2,000
Total Capital Charge	Rs 25,000

The annual expenditure will consist to —

Superintendent's pay at Rs 200/-	Rs 2,400
Weaving Master's pay	360
Temporary weaving master's pay	360.
Dyeing Master's pay	360
10 plantation servants	720
4 Rearing house servants	288
1 Reeling house Engine	360
1 Furnace for boiler	108
4 permanent reeling servants	288
6 weaving house servants	432
3 Dyeing house servants	216
Purchase of materials (Yarn should be produced in the school and not bought)	500
	Rs 6372
Other Contingencies	Rs 608
Total Annual cost	Rs 7,000

The outlay for the 10 acres of Mr Thorny
in 2 yrs should be about Rs 5,000/
& at yrs of tuition, Ins and other sch-
-ges is may come to another Rs 500/-
The net cost of the school will not
exceed Rs 500/- or Rs 1000/-

Sd/ H G Bhabha

Thanking you

H J Bhabha

Inspectress of Education

1-2-06

Proposed Syllabus of Study for the Mysore School of Sericulture

I Rearing Department

Recognition of the principal varieties of Mulberry, Morus nigra, M Alba, varieties indica, innermedia, Lhevayate (?), artocarpifolia, Multicaulis, Philippinensis, and the Japanese variety and Morus serrata [Proper mixture of these varieties should be grown in the garden]

Distinguishing marks of Mulberry most appropriate for silkworms

Method of propagation of the common varieties of Mysore Mulberry, Morus indica (Cultivated variety) and M Serrata (Chinese variety) Adaptability of these two varieties for different stages of silkworms

Method of propagation of Mulberry trees from seeds, cuttings and grafts Demonstration of germination of seed both with and without carbon disulphide seed-bed and nursery.

Cost of planting shrub and tree-mulberry per acre

Advantage and disadvantage of either system

Irrigation appliances for different depths of water and method of irrigation

Manuring of Mulberry plants

Pruning

Other food plants, the Castor, the orange-orange (Madura aurantiaca) and the peepul (Ficus

the Artocarpus lacoocha [Specimens of these also should be grow the garde]

Good plants for other varieties of silk worms – Croton laeva Ficus infectoria, Ficus robusta, the ipaka, Sum, Anala, Muzankuri, Arjuna, Myrabolan Lahora, Sidha, Mahua, Dhak, Jambu, & County almond [Specimens of these trees should be grown in the garden]

Comparison of expenditure and income in connection with growing the mulberry for silk worms, and those in connection with the growing of other paying crops such as tobacco, sugarcane cotton, jute, potatoes etc

Rearing of mulberry silkworms, Bombyx mori, B textor, B Mendicorales, B macaresus B Croesa & B fortunatus

Rearing of Eri silkworms (Attacus ricini)

Rearing of tussar and Muga silkworms (Antheraea mylitta & A assama)

The China tussar (Antheraea pernyi)

Hybernation and incubation of B mori eggs

Pathology of silkworms Pebrine, Flacherie, Grasserie, Muscardine, Gut, Jaune, the fly-pest (Pycnoja conveyens) Disinfection of rearing houses and appliances

Diseases of the Mulberry plant, Silkworm gut

Indian, Japanese and European rearing appliances are to be had as

specimens through the approved
system for Mysore is followed
actual practice
[2 hour rearing houses each 25 ft X 13 ft
and verandahs should be made
for different rearing experiments

II Reeling Department

Killing of cocoons in sunny and
dull weather
Ovening of cocoons
Different processes of boiling.
Differences to be observed in
ovening and boiling under
different circumstances
Different systems of reeling
Practice of the Country system vis
the most approved Bengal system
Re-reeling of silk
Testing of silk with Denier machine
and Sericimeter
[Skill in reeling as tested by
testing machines will be
required in students]
V.B The reeling house should be
at least 100 ft away from the
rearing houses

III Weaving Department

Winding for warping and pirn
warping with warping frame
Spooling.
Setting of healds and reed
weaving with fly-shuttle
[A separate weaving master
should be employed]

IV Dyeing Department

Dyeing with Indian vegetable dyes [- A separate dyeing Master should be employed]

V Lectures on the production of the silk industry in different countries The Handbook of Sericulture should be translated into Kannada and studied as text-book

(Sd) K S Thukral

True copy

H J Bhabha

Asst. Director General of Education

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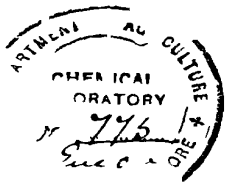

Office of the Agricultural Chemist
Government of Mysore,
Bangalore, January 27th 1906

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From

A Iehmann, Esquire, M A , B S A , Ph D
Agricultural Chemist to the Government of
His Highness the Maharaja of Mysore,

To

The Secretary to the Government of
His Highness the Mahara a of Mysore,
General and Revenue Departments,
Bangalore

Sir,

I am forwarding you herewith for the information of Government a letter sent me by Mr Partridge I have no comments to offer in regard to it as I do not know Mr Partridge or his plans sufficiently to be in a position to do so But as Government is considering the question of sericulture at present I thought it my duty to forward Mr Partridge's ~~letter~~ statement Should Government desire I can see Mr Partridge, proceed to Kolar & enquire into them and report.

I have the honour to be,
Sir,
Your most obedient servant,

A Iehmann

Agricultural Chemist

2314-05
SP
Sl-12 / Yelahanka 26th/12 05

W A Lehman
Agricultural Chemist
Bangalore

Dr Sir—

Since sending in my printed appeal to Government I find that it is the intention of Government to open a Sericultural School, and as I have already dealt with this it is not my intention to again refer to it. My own plans have however been considerably altered, in the interests of the Firm for whom I am agent. I have had to shift my quarters to Tarikere. I have for the past year been endeavouring to purchase up large quantities of Cocoons through the Agency of Brokers, but the whole thing has proved a failure. Quantities have been small & prices high so that unless I take up the work myself there is no chance of improving the Industry, in which I have practically ruined myself, & which I am still most deeply interested, & it is on this point I was to have addressed you officially.

You mentioned to me a personal interview that my plan was

was inconveniently situated for a School, & beyond distance for proper Supervision by you - at least I think you mentioned this -

The business - of the first chasing of Cocoons in large quantities for export will do more towards encouraging Sericulture than the opening of a School, or any other arrangements you may make on behalf of Govt the purchase of Cocoons for cash, and at a higher rate than usually prevails brings home to the Rearers the fact that they will directly benefit if they continue to extend their Mulberry cultivation, & this is just what they are doing - Another hopeful sign is the Rearers are themselves coming to me, and asking what they are to do to successfully rear the Silk worm - I have given some of the men sheets of paper for the moths to lay their eggs on - I have promised to examine their moths, & they will bring me a few on the 6th day, also to steep the eggs in Sulphate of Copper solution - and have also promised one man, a respectable land owner, residing in Madura to go over every day, & feed them myself - So that they can

garding it

see for themselves that I do not simply ask them to do so & so, but that I am quite capable to handle the workers from start to finish. We want no Inspectors, incapable of actual work, and young & burnt with wrong notions never likely to give satisfactory results. I met the Sub-Divisional Officer Cowper under whom the Inspector on that Section is working & he informed me that he had no reason or believing that there were - were doing any good - personally I know that they are absolutely useless. Whether the opening of a School for the teaching of the better class of Indian will be useful to them as a means of living, in after life is a question open to doubt - it is a question whether they would take the ordinary native Lugdi would certainly not do so

Maddumma is a seed Cultivator. There are cultivators in every village for miles around more cultivating is done in that Taluk than neighbouring Taluks. I have decided to remain here for good. The Engineering Dept have very kindly granted me a

Assistant

Government building for a period of 6 months & this could be handed over permanently - It is within a few yards of the Maddan village where each house is engaged in rearing I would do real & lasting good, and that for the reason that I could supervise the feeding of the worms, & thus bring home to the rearers that it will be to their advantage to follow improved methods news of full crops would soon spread, with result that the men would adopt them. I should of course rear a few worms not on a large scale, so that if less passed by me as good gave bad results I could point to my own rearing & thus satisfy the men that faults were entirely of their crops happened to be failures. much has to be done to get the men to gradually alter their rearing houses & to follow new proved methods & to get them to do this You can well understand that example is better than precept while I am gradually teaching

the

teaching the Men I will also be purchasing Cocoons, so that I can give direct encouragement to every man with whom I am brought in Contact

My proposals are that the Government pay me a honorarium of £100 a month That I be free to improve Sericulture in my own way That I submit to the Dept Com Mys a monthly statement showing work done Name of man instructed &c This statement can always be officially verified & at the end of the first year Success is equal to expectations the arrangement can be continued My later Government decide on appointing Men in distant centres, a good man can be sent to me for full instruction previous to posting - Under this arrangement Government would at first deal on with one man - That man whose expenditure would be small & results could be closely checked

I may in conclusion inform you that Messrs Payne & Co, own the largest Silk Mills in Lyons with a large Factory in Bhuga

(15)

in Coconuts will be compared to that done now, but in my opinion it will amount to a good sum Each yearly- No one is more anxious to increase the Income by than Sam - Sam actually engaged in the purchase of Coconuts would allow nothing to interfere with this arrangement

Yours obedient
J Pullinger

JP

seeing Mr Tuckerfee's letter on his visit to Mysore, and the good I have been able to do, have written to me enquiring what the prospects for purchase of Cocoons actually are - Mr A. Anderson of Messrs Anderson Wright & Co, one of the leading merchants in Calcutta took the trouble of coming here to see me, but to enquiries made I was forced to tell them that present prospects of large purchases were certainly not good That I could not hearty supply any Farm with Cocoons, the quantity being small and available May I hope that, seeing Mr Tuckerfee has not been backward in giving me credit for work done, under very considerable difficulty the Government will also have equal confidence in placing me in charge, as now suggested by me - I can but think assert that no place in India offer similar advantages for Sericulture - You can at present be assured that the export trade

(15)

Proceedings of the Government of His Highness the Maharaja of Mysore

-oooOooo-

Read -

Correspondence ending with letter No 5908/359, dated the 6th February 1906, from the I G of Education submitting copy of Mukerji's outline of a scheme for the opening of a Sericultural School in the State and suggesting that the Weaving and Dyeing Departments proposed in the scheme may, for the present, be omitted and that they may be added after the school becomes successful

(2) Letter No 775, dated the 27th January 1906, from the Agricultural Chemist in Mysore submitting letter, dated the 26th December 1905, from Mr Partridge regarding the improvement of sericulture in the State and adding that if Government desire to consider Mr Partridge's proposals he will inquire into them and report

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Order thereon No. 9006-8 dated 3-3 Ed 314-04-15

The Inspector General of Education is requested to place Mr Mukerji's scheme before the Committee and to submit its detailed views regarding it

2 The Government of His Highness do not think it necessary to examine minutely the proposals put forward by Mr. Partridge

Secretary

11442
23206
24 2 1906

To

The Inspector General of Education

The Agricultural Chemist.

The Superintendent, Government Gardens

14 From the Agricultural Chemist
No 775 dated 27/1/06
Submits letter ~~dated~~ dated 26/12/05
from one Mr Partridge re the improvement
of agriculture in the State, stating if
Govt desire to consider Mr Partridge's
proposals he will enquire & report

15 To the Dept of Edn the Agr Chemist
& Mr Cameron No 9006-8 of 3/3/06
Requests the Dept of Edn to place Mr
Muthergh's scheme before the Committee
and to submit its detailed views
observing that Govt thinks it necessary
to examine minutely the proposals
just forwarded by Mr Partridge

Purchase of Mr Tata's Experimental Silk Farm at Bangalore

8 From the President of the Committee appointed for valuing Mr Tata's Silk Farm at Bangalore No 2861 dated the 8th June 1905
Submits the Committee's report together with a plan and estimates of the farm

9 From the Chief Engineer President of the Committee for valuing Mr Tata's Silk Farm at Bangalore No 4103 dated 22nd June 1905
States with reference to G O No 11334-8—Fd 314 04 6 dated 10th June 1905 appointing Messrs Cameron and K R Srinivasiengar as additional members of the Committee that it is too late to put them on the Committee as the report of the Committee had already been submitted to Government

10 To the Inspector General of Education in Mysore No 1757 dated 19th August 1905
Requests him to form a committee consisting of himself as President and Dr Lehman and Mr Cameron as members for considering a practical scheme for the establishment of a Sericultural School and submit the same to Government
Endorsement to Dr Lehman and Mr Cameron Nos 1758 and 1759 dated 19th August 1905
Forwards copy of the above

11 From the Inspector General of Education in Mysore No 3790 dated 21st November 1905
Submits the proceedings of the Committee for the establishment of a Sericultural School

12 To the Inspector General of Education in Mysore No 5867 dated 4th December 1905
Requests him to enquire if Mr Mukerji is willing to work out a scheme and if so what honorarium he expects for it

13 From the Inspector General of Education in Mysore No 5908 dated 6th February 1906
Submits with reference to the above a copy of Mr Mukerji's outline of a scheme for a Sericulture School states that the weaving and the dying Departments proposed in the scheme may for the present be omitted and adds that if Government approve of the above suggestion the committee appointed in this office letter No 1757—Fd 314 04 10 dated 19th August 1905 may be asked to work out a scale of establishment etc for the school and submit it for the orders of Government

14 From the Agricultural Chemist in Mysore No 770 dated 27th January 1906
Submits letter dated 26th December 1905 from one Mr Partridge *re* the improvement of Sericulture in the State and states that if Government desire to consider Mr Partridge's proposals he will enquire into them and report

15 To the Inspector General of Education Agricultural Chemist and Superintendent Government Gardens No 3006 8 dated 3rd March 1906
Requests Inspector General of Education to place Mr Mukerji's scheme before the committee and to submit its detailed views regarding it and observes that Government think it unnecessary to examine minutely the proposals put forward by Mr Partridge